WHAT WE CLAIM IS:

1. An EL phosphor multilayer thin film, wherein:

a phosphor thin film and a dielectric thin film are stacked one upon another,

said phosphor thin film comprising a matrix material containing as a main component at least one compound selected from an alkaline earth thioaluminate, an alkaline earth thiogallate and an alkaline earth thioindate, and an rare earth element as a luminescent center, and

said dielectric thin film comprising an alkaline earth oxide.

2. The EL phosphor multilayer thin film according to claim 1, wherein said matrix material is a barium thioaluminate.

3. The EL phosphor multilayer thin film according to claim 1, wherein said rare earth element is Eu.

4 The EL phosphor multilayer thin film according to claim 1, wherein said alkaline earth oxide is a perovskite oxide.

5. The EL phosphor multilayer thin film according to claim 1, wherein said alkaline earth oxide is barium titanate.

6. The EL phosphor multilayer thin film according to claim 1, wherein said dielectric thin film has a specific dielectric constant of 100 or greater.

7. The EL phosphor multilayer thin film according to claim 1, wherein said dielectric thin film has a thickness of 100 nm or greater.

8. An EL device comprising an EL phosphor multilayer thin film as recited in claim 1.